



UNITED STATES PATENT AND TRADEMARK OFFICE

m-2

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
|-----------------|-------------|----------------------|---------------------|------------------|

09/444,359

11/18/1999

DONALD E. GILLESPIE

USW#1674

8540

22193 7590 11/14/2006

QWEST COMMUNICATIONS INTERNATIONAL INC
LAW DEPT INTELLECTUAL PROPERTY GROUP
1801 CALIFORNIA STREET, SUITE 3800
DENVER, CO 80202

EXAMINER

NGUYEN, TU X

ART UNIT

PAPER NUMBER

2618

DATE MAILED: 11/14/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | | |
|------------------------------|------------------------|---------------------|--|
| Office Action Summary | Application No. | Applicant(s) | |
| | 09/444,359 | GILLESPIE ET AL. | |
| | Examiner | Art Unit | |
| | Tu X Nguyen | 2618 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 September 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,8-17,20 and 24-42 is/are pending in the application.
- 4a) Of the above claim(s) 2-7,18,19 and 21-23 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,8-17,20 and 24-42 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

Applicant's arguments with respect to claims 1 and 17 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 8-17, 20, 24-42, are rejected under 35 U.S.C. 103(a) as being obvious over Alperovich et al. (US Patent 6,233,448) in view of Naido (US Patent 6,629,136).

Regarding claim 1, Alperovich et al. disclose a method for processing telephone calls for a mobile subscriber associated with a wireless network the method comprising:

at the wireless network, receiving from the mobile subscriber user-defined, location-dependent rules associated with at least one telephone service subscribed to by the mobile subscriber (see col.4 lines 20-25), wherein each rule received from the mobile subscriber at the wireless network includes a specification for at least one geographic area associated with the mobile subscriber and rules for processing the at least one telephone service for the mobile

Art Unit: 2618

subscriber when the mobile subscriber is in one of the geographic areas (see col.3 lines 65 through col.4 line 15),

determining a current location of the mobile subscriber (see col.2 lines 15-17); and processing the telephone services based on the location-dependent rules and the current location of the mobile subscriber (see col.2 lines 22-29).

Alperovich et al. fails to disclose the specification defines a geographic region having a predetermined radius from a current location of the subscriber that changes dynamically as the current location change.

In the related art, a system and method for proving geographically-related content over a network, Naidoo discloses the specification defines a geographic region having a predetermined radius from a current location of the subscriber that changes dynamically as the current location change (see col.11 lines 54-55). Therefore, It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of Alperovich et al. with the above teaching of Naidoo in order to provide user information related to user interest such as restaurant or trade area.

Regarding claim 17, Alperovich et al. disclose database (see col.4 lines 21-25) for storing user-defined, location-dependent rules associated with at least one telephone service subscribed to by the mobile subscriber; and service logic for determining a current location of the mobile subscriber and generating call processing instructions for processing the telephone calls based on the user-defined, location-dependent rules and the current location of the mobile subscriber (see col.2 lines 10-40),

Alperovich et al. fails to disclose the specification defines a geographic region having a predetermined radius from a current location of the subscriber that changes dynamically as the current location change.

In the related art, a system and method for proving geographically-related content over a network, Naidoo discloses the specification defines a geographic region having a predetermined radius from a current location of the subscriber that changes dynamically as the current location change (see col.11 lines 54-55). Therefore, It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of Alperovich et al. with the above teaching of Naidoo in order to provide user information related to user interest such as restaurant or trade area.

Regarding claim 9, The modified Alperovich et al. disclose receiving signal includes continuously receiving the signal from the wireless subscriber (see The modified Alperovich, col.2 lines 14-15, "periodically" reads on "continuously").

Regarding claims 8, 14-15 and 24-25 and 27, The modified Alperovich et al. disclose receiving a signal from the mobile subscriber (Alperovich, see 34, fig.1); determining the location of the mobile subscriber based on the signal from the mobile subscriber and the known location of the at least one base station (see 32, fig.1, col.3 lines 28-50).

Regarding claim 10, 26, The modified Alperovich et al. disclose receiving signal includes the signal from the wireless subscriber in response to a prompt from the wireless network (see Alperovich, col.3 lines 28-64).

Regarding claim 11, The modified Alperovich et al. disclose receiving the signal includes receiving a Global Positioning Signal from the mobile subscriber (see Alperovich, col.3 lines 29-30).

Regarding claims 12-13, 28-29 and 30-31, The modified Alperovich et al. disclose the service logic, in receiving the signal (see Alperovich, col.5 lines 61-65), outgoing call from the mobile subscriber (see Alperovich, col.5 lines 46-47), is further operative to receive a strength of the signal from the mobile subscriber (see Alperovich, col.3 lines 34-50, "triangulation" reads on "signal strength, triangulation is a method to determined user location base on signal strength).

Regarding claims 16 and 32, The modified Alperovich et al. disclose determining supplemental subscriber information from the mobile subscriber (see Alperovich, col.4 lines 51-52); and wherein processing a telephone call further comprises processing the telephone call based on the supplemental subscriber information.

Regarding claim 20, The modified Alperovich et al. disclose the interface is further operative to receive a signal as part of the specification that defines a changing geographic area dependent on the current location of the subscriber (see Naidoo, col.11 lines 63-64).

Regarding claims 33, 37-38 and 42, The modified Alperovich et al. disclose the current location of the mobile subscriber includes an area not defined by the boundaries of a cell of the wireless network (see Alperovich, col.5 lines 59-61).

Regarding to claims 35-36, 40-41, The modified Alperovich et al. disclose at least one telephone service includes call forwarding and do not disturb (see Alperovich, col.5 lines 25-26, col.5 lines 61-62).

Regarding claims 34 and 39, the modified Alperovich et al. disclose at least one telephone service includes caller identification (see Alperovich, col.8 lines 6-10).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed Tu Nguyen whose telephone number is 571-272-7883.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban, can be reached at (571) 272-7899. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



November 8, 2006